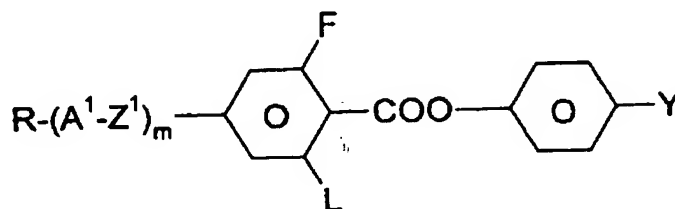


The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Presently Amended) A liquid-crystalline medium comprising:
at least one phenol ester ~~Liquid-crystalline phenol esters of the formula I~~



in which

R is H, an alkyl or alkenyl radical having up to 15 carbon atoms which is unsubstituted, monosubstituted by CN or CF₃ or at least monosubstituted by halogen, where, in addition, one or more CH₂ groups are optionally in these radicals may also be replaced by -O-, -S-, -CH=CH-, -C≡C-, -OC-O- or -O-CO- in such a way that O atoms are not linked directly to one another,

- A¹
- a) is a 1,4-cyclohexenylene or 1,4-cyclohexylene radical, in which in each case one or two non-adjacent CH₂ groups are each optionally may be replaced by -O- or -S-,
 - b) is a 1,4-phenylene radical, in which one or two CH are each optionally may be replaced by N,
 - c) is a piperidine-1,4-diyl, 1,4-bicyclo[2.2.2]octylene, naphthalene-2,6-diyl, decahydronaphthalene-2,6-diyl or 1,2,3,4-tetrahydronaphthalene-2,6-diyl radical,

where the radicals a), b) and c) may be are in each case unsubstituted or
monosubstituted or polysubstituted by halogen atoms,

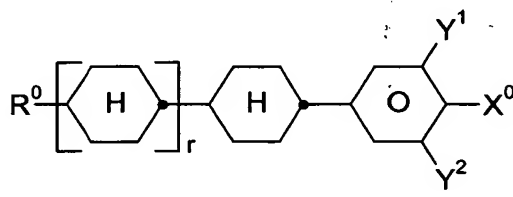
Z^1 is $-\text{CO}-\text{O}-$, $-\text{O}-\text{CO}-$, $-\text{CF}_2\text{O}-$, $-\text{OCF}_2-$, $-\text{CH}_2\text{O}-$, $-\text{OCH}_2-$, $-\text{CH}_2\text{CH}_2-$, $-\text{C}_2\text{F}_4-$,
 $-\text{C}_2\text{F}_2-$, $-\text{CH}=\text{CH}-$, $-\text{C}\equiv\text{C}-$ or a single bond,

Y is F, Cl, CN, or a monohalogenated or polyhalogenated alkyl, alkenyl,
alkenyloxy or alkoxy radical having 1 to 5 carbon atoms,

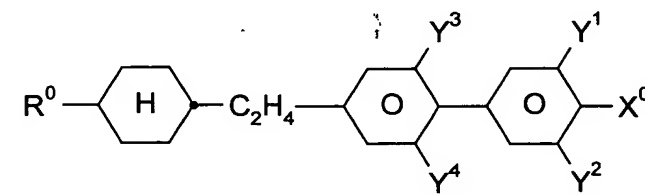
L is H or F, and

m is 0, 1 or 2; and

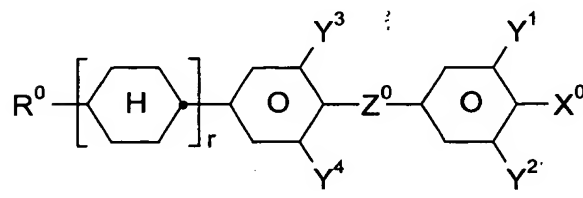
one or more compounds selected from formulae II, III, IV, V, VI, VII, VIII and IX:



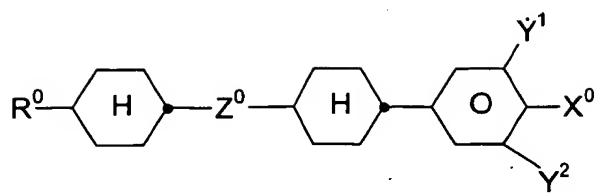
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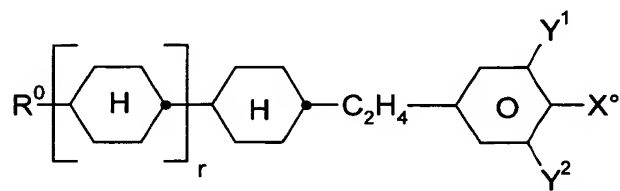
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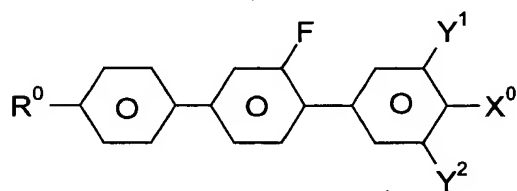
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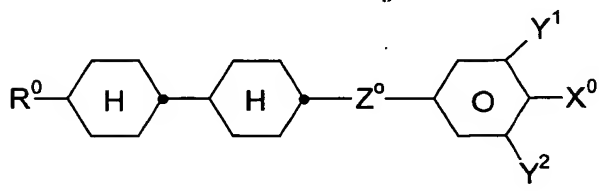
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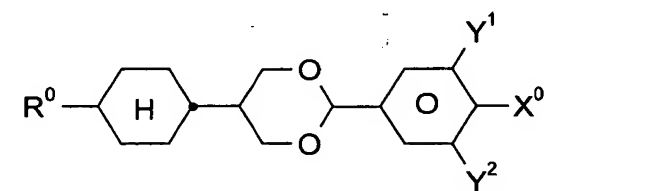
VI



VII



VIII



IX

wherein

R^0 is n-alkyl, oxaalkyl, fluoroalkyl, alkenyloxy or alkenyl, each having up to 9 carbon atoms.

X^0 is F, Cl, or halogenated alkyl, halogenated alkenyl, halogenated or halogenated alkoxy, in each case having up to 6 carbon atoms.

Z^0 is $-\text{C}_2\text{H}_4-$, $-\text{C}_2\text{F}_4-$, $-\text{CF}_2\text{O}-$, $-\text{OCF}_2-$ or $-\text{COO}-$.

Y¹, Y²,

Y³ and Y⁴ are each, independently of one another, H or F, and

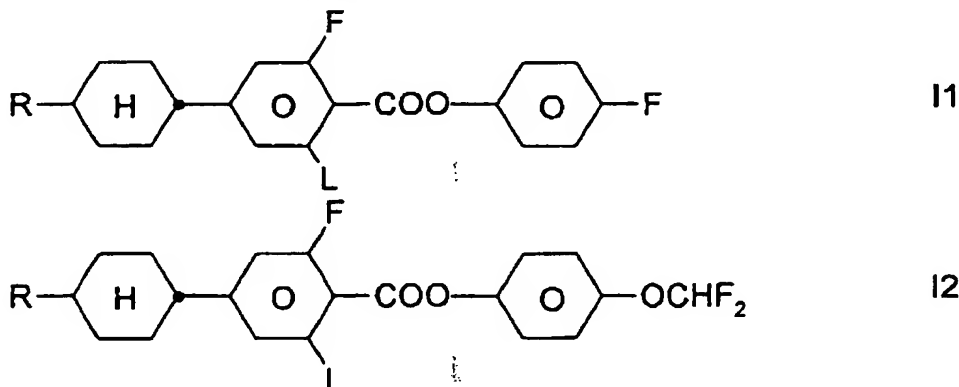
r is 0 or 1.

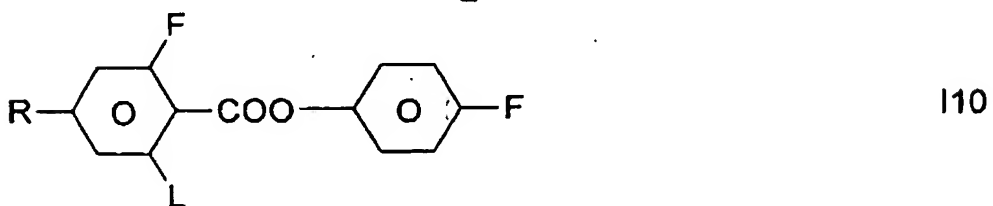
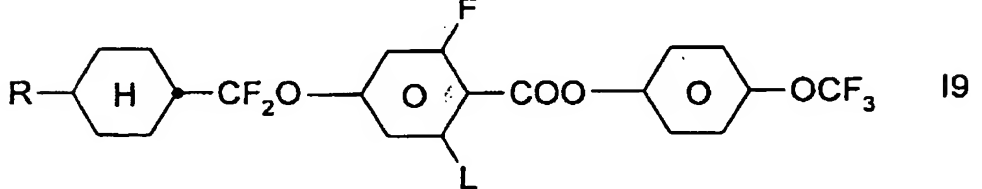
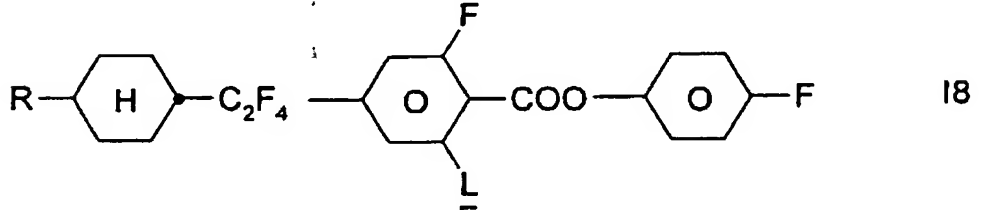
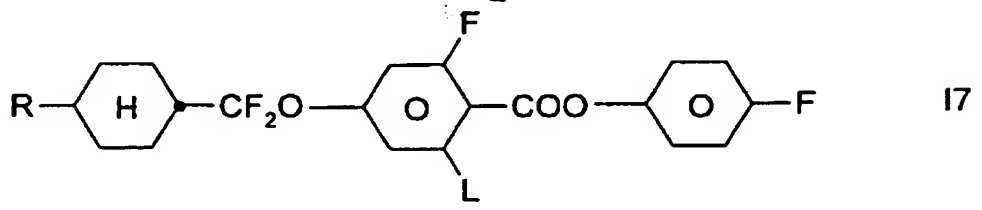
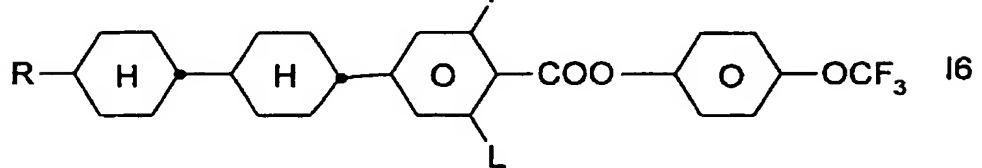
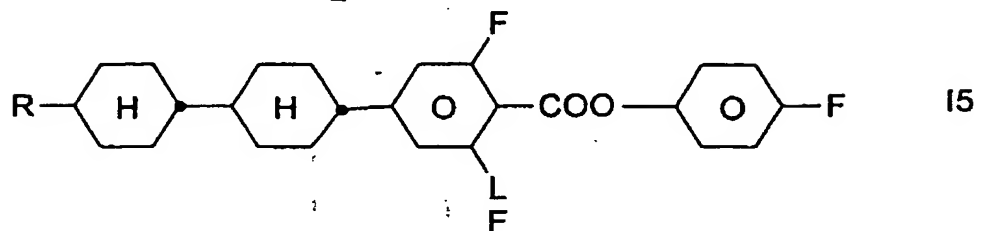
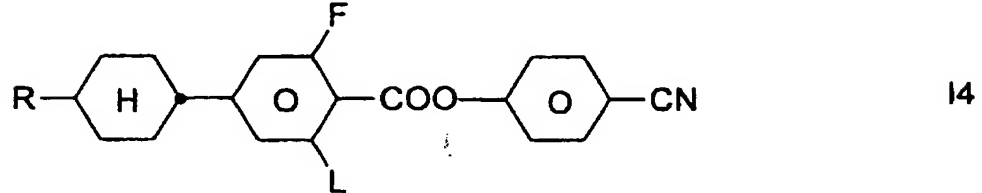
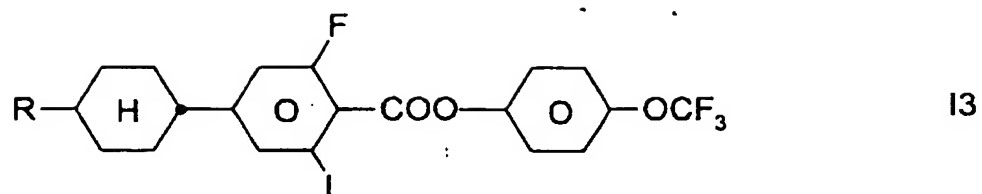
2. (Presently Amended) A liquid-crystalline medium ~~Phenol esters~~ according to Claim 1, wherein characterised in that R is a straight-chain alkyl radical having from 1 to 10 carbon atoms or an alkenyl radical having from 2 to 10 carbon atoms.

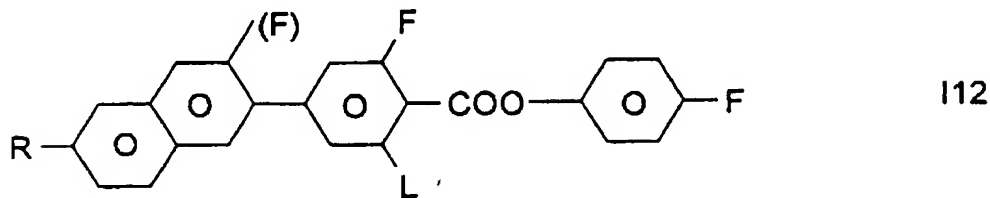
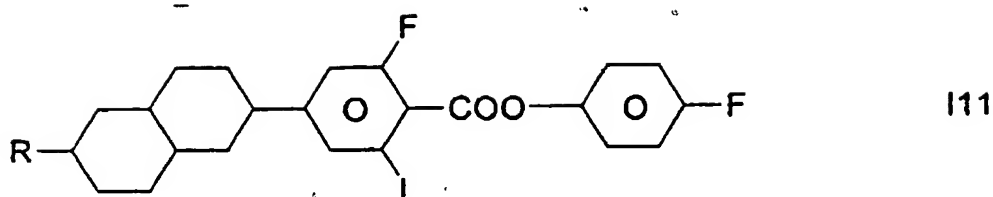
3. (Presently Amended) A liquid-crystalline medium ~~Phenol esters~~ according to Claim 1, wherein characterised in that Y is F, Cl, CN, CF₃, CF₂H, OCF₃, OCF₂H, OCFHCF₃, OCFHCFH₂, OCFHCF₂H, OCF₂CH₃, OCF₂CFH₂, OCF₂CF₂H, OCF₂CF₂CF₂H, OCF₂CF₂CFH₂, OCFHCF₂CF₃, OCFHCF₂CF₂H, OCF₂CF₂CF₃, OCF₂CHF₂CF₃ or OCCIFCF₂CF₃.

4. (Presently Amended) A liquid-crystalline medium ~~Phenol esters~~ according to Claim 1, wherein characterised in that M = m is 1.

5. A liquid-crystalline medium according to claim 1, wherein said compound of formula I is selected from ~~Phenol esters of the~~ subformulae I1 to I12:







wherein in which

R and L are as defined in Claim 1

R is H, an alkyl or alkenyl radical having up to 15 carbon atoms which is unsubstituted, monosubstituted by CN or CF₃ or at least monosubstituted by halogen, where, in addition, one or more CH₂ groups are optionally replaced by -O-, -S-, -CH=CH-, -C≡C-, -OC-O- or -O-CO- in such a way that O atoms are not linked directly to one another,

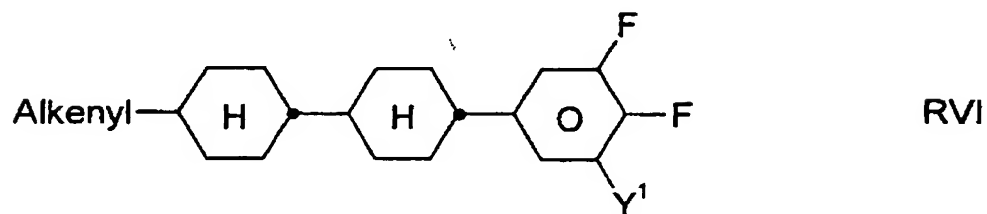
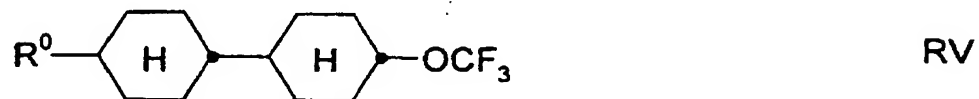
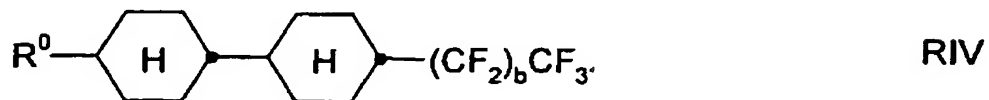
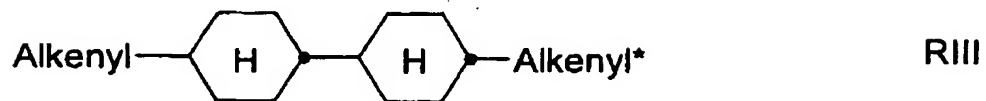
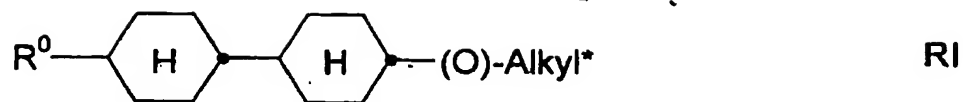
L is H or F.

6. (Cancelled):

7. (Cancelled):

8. (Presently Amended) A medium Medium according to Claim 1 6, wherein characterized in that the proportion of compounds of the formulae I to IX in the medium total mixture is at least 50% by weight.

9. (Presently Amended) A medium Medium according to Claim 1 6, wherein characterized in that it said medium additionally comprises one or more compounds of the formulae RI to RVI



wherein in which

R^0 is n-alkyl, oxoalkyl, fluoroalkyl, alkenyloxy or alkenyl, in each case having up to 9 carbon atoms,

b is 0, 1 or 2,

Y^1 is H or F,

Alkyl* is a straight-chain alkyl radical having up to 9 carbon atoms,
and

Alkenyl or Alkenyl* is, in each case independently of one another, an alkenyl radical having up to 9 carbon atoms.

10. (Presently Amended) ~~A medium~~ ~~Medium~~ according to Claim 1 7, wherein ~~characterized in that~~ X^0 is F or OCF_3 and Y^2 is H or F.

11. (Presently Amended) In a method of generating an electro-optical effect using a liquid-crystalline medium, the improvement wherein said ~~Use of the~~ liquid-crystalline medium is according to Claim 1 6 ~~for electro-optical purposes~~.

12. (Presently Amended) An electro-optical ~~Electro-optical~~ liquid-crystal display containing a liquid-crystalline medium, wherein said medium is according to Claim 1 6.

13. (New) A medium according to claim 1, wherein L is F.

14. (New) A medium according to claim 1, wherein m is preferably 1.

15. (New) A medium according to claim 1, wherein Z^1 is a single bond, $-CF_2O-$, $-OCF_2-$, $-C_2F_4-$, $-CH_2O-$, $-OCH_2-$ or $-COO-$.

16. (New) A medium according to claim 1, wherein R is a straight-chain alkyl or straight-chain alkenyl radical which is monosubstituted by CN or CF_3 .

17. (New) A medium according to claim 1, wherein R is a straight-chain alkyl or straight-chain alkenyl radical which is at least monosubstituted by F or Cl.

18. (New) A medium according to claim 1, wherein Y is F, CN, OCF_3 , $OCHF_2$, CF_3 , $OCHF_2CF_3$, OC_2F_5 or $OCF_2CH_2CF_3$.

19. (New) A medium according to claim 1, wherein R is straight-chain alkyl, alkoxy, alkenyloxy or alkenyl having up to 10 carbon atoms.

20. (New) A medium according to Claim 1, wherein A² is Phe, PheF, PheFF, Cyc, Che, Pyr, Dio, Dec or Nap,

Cyc is 1,4-cyclohexylene, Che is 1,4-cyclohexenylene, Dio is 1,3-dioxane-2,5-diyl, Phe is 1,4-phenylene radical, Pyr is pyrimidine-2,5-diyl, PheF is 2- or 3-fluoro-1,4-phenylene, PheFF is 2,3-difluoro- or 2,6-difluoro-1,4-phenylene, Nap is substituted or unsubstituted naphthalene, and Dec is decahydronaphthalene.

21. (New) A medium according to Claim 1, wherein said compound contains not more than one of the radicals Bi, Pyd, Pyr, Dio, Dit, Nap or Dec,

Dio is 1,3-dioxane-2,5-diyl, Dit is 1,3-dithiane-2,5-diyl, Pyd is pyridine-2,5-diyl, Pyr is pyrimidine-2,5-diyl, Bi is bicyclo[2.2.2]octylene, Nap is substituted or unsubstituted naphthalene, and Dec is decahydronaphthalene.

22. (New) A medium according to Claim 1, wherein A¹ is particular, 2-fluoro-1,4-phenylene, 3-fluoro-1,4-phenylene, 2,3-difluoro-1,4-phenylene or 2,6-difluoro-1,4-phenylene.

23. (New) A medium according to Claim 1, wherein said medium has a nematic phase down to -20°C, a clearing point above 80°C, and a dielectric anisotropy value $\Delta\epsilon$ of ≥ 4 .

24. (New) A medium according to Claim 23, wherein said medium has a nematic phase down to -30°C, and a clearing point above 90°C.

25. (New) A medium according to Claim 23, wherein said medium has a nematic phase down to -40°C, and a clearing point above 100°C.

26. (New) A medium according to Claim 23, wherein said medium has a dielectric anisotropy values $\Delta\epsilon$ of ≥ 6 .

27. (New) A medium according to Claim 1, wherein said medium has a TN threshold below 1.5 V.

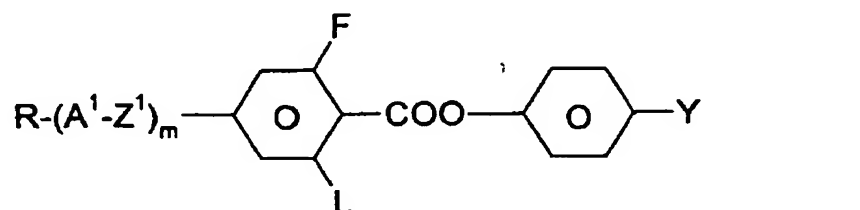
28. (New) A medium according to Claim 27, wherein said medium has a TN threshold below 1.3 V.
29. (New) A medium according to Claim 27, wherein said medium has a TN threshold < 1.0 V.
30. (New) A medium according to Claim 1, wherein the proportion of compounds of formula I in the medium is 5 to 50% by weight.
31. (New) A medium according to Claim 1, wherein the proportion of compounds of the formulae II to IX in the medium is 30 to 70% by weight.
32. (New) A medium according to Claim 1, wherein the flow viscosity ν_{20} at 20°C of the medium is < 60 mm²·s⁻¹.
33. (New) A medium according to Claim 1, wherein the flow viscosity ν_{20} at 20°C of the medium is < 50 mm²·s⁻¹.
34. (New) A medium according to Claim 1, wherein the nematic phase range of the medium is at least 90°.
35. (New) A medium according to Claim 1, wherein the nematic phase range of the medium is at least 100°.
36. (New) A medium according to Claim 1, wherein the nematic phase range of the medium is extends at least from -30° to +80°.
37. (New) A medium according to Claim 1, wherein said medium contains two or more of compounds of the formula I, and the proportion of compounds of formula I in the medium is 5-95%.
38. (New) A medium according to Claim 1, wherein said medium contains two or

more of compounds of the formula I, and the proportion of compounds of formula I in the medium is 10-60%.

39. (New) A medium according to Claim 1, wherein said medium contains two or more of compounds of the formula I, and the proportion of compounds of formula I in the medium is 20-50%.

40. (New) A medium according to Claim 1, wherein said medium has an optical anisotropy of 0.0892-0.1050.

41. (New) A liquid-crystalline phenol esters of formula I



in which

R is H, an alkyl or alkenyl radical having up to 15 carbon atoms which is unsubstituted, monosubstituted by CN or CF₃ or at least monosubstituted by halogen, where, in addition, one or more CH₂ groups are optionally replaced by -O-, -S-, -CH=CH-, -C≡C-, -OC-O- or -O-CO- in such a way that O atoms are not linked directly to one another,

A¹ a) is a 1,4-cyclohexenylene or 1,4-cyclohexylene radical, in which in each case one or two non-adjacent CH₂ groups are each optionally replaced by -O- or -S-;

b) is a 1,4-phenylene radical, in which one or two CH are each optionally replaced by N,

c) is a piperidine-1,4-diyl, 1,4-bicyclo[2.2.2]octylene, naphthalene-2,6-diyl, decahydronaphthalene-2,6-diyl or 1,2,3,4-tetrahydronaphthalene-2,6-diyl radical,

where the radicals a), b) and c) are in each case unsubstituted or monosubstituted or polysubstituted by halogen atoms,

Z¹ is -CO-O-, -O-CO-, -CF₂O-, -OCF₂-, -CH₂O-, -OCH₂-, -CH₂CH₂-, -C₂F₄-, -C₂F₂-, -CH=CH-, -C≡C- or a single bond,

Y is OCFHCFH₂, OCFHCF₂H, OCF₂CH₃, OCF₂CFH₂, OCF₂CF₂H, OCF₂CF₂CF₂H, OCF₂CF₂CFH₂, OCFHCF₂CF₃, OCFHCF₂CF₂H, OCFHCFHCF₃, OCH₂CF₂CF₃, OCF₂CF₂CF₃, OCF₂CFHCFH₂, OCF₂CH₂CF₂H, OCFHCF₂CFH₂, OCFHCFHCF₂H, OCFHCH₂CF₃, OCH₂CFHCF₃, OCH₂CF₂CF₂H, OCF₂CFHCH₃, OCF₂CH₂CFH₂, OCFHCF₂CH₃, OCFHCFHCFH₂, OCFHCH₂CF₃, OCH₂CF₂CFH₂, OCH₂CFHCF₂H, OCF₂CH₂CH₃, OCFHCFHCH₃, OCFHCH₂CFH₂, OCH₂CF₂CH₃, OCH₂CFHCFH₂, OCH₂CH₂CF₂H, OCH₂CH₂CH₃, OCH₂CFHCH₃, OCH₂CH₂CF₂H, OCCIFCF₃, OCCIFCCIF₂, OCCIFCFH₂, OCFHCCl₂F, OCCIFCF₂H, OCCIFCCIF₂, OCF₂CClH₂, OCF₂CCl₂H, OCF₂CCl₂F, OCF₂CCIFH, OCF₂CCIF₂, OCF₂CF₂CCIF₂, OCF₂CF₂CCl₂F, OCCIFCF₂CF₃, OCCIFCF₂CF₂H, OCCIFCF₂CCIF₂, OCCIFCFHCF₃, OCCIFCCIFCF₃, OCCl₂CF₂CF₃, OCClHCF₂CF₃, OCCIFCF₂CF₃, OCF₂CCIFCFH₂, OCF₂CF₂CCl₂F, OCF₂CCl₂CF₂H, OCF₂CH₂CCIF₂, OCCIFCF₂CFH₂, OCFHCF₂CCl₂F, OCCIFCFHCF₂H, OCCIFCCIFCF₂H, OCFHCFHCCIF₂, OCCIFCH₂CF₃, OCFHCCl₂CF₃, OCCl₂CFHCF₃, OCH₂CCIFCF₃, OCCl₂CF₂CF₂H, OCH₂CF₂CCIF₂, OCF₂CCIFCH₃, OCF₂CFHCCl₂H, OCF₂CCl₂CFH₂, OCF₂CH₂CCl₂F, OCCIFCF₂CH₃, OCFHCF₂CCl₂H, OCCIFCCIFCFH₂, OCFHCFHCCl₂F, OCCIFCH₂CF₃, OCFHCCl₂CF₃, OCCl₂CF₂CFH₂, OCH₂CF₂CCl₂F, OCCl₂CFHCF₂H, OCClHCCIFCF₂H, OCF₂CClHCClH₂, OCF₂CH₂CCl₂H, OCCIFCFHCH₃, OCF₂CCIFCCl₂H, OCCIFCH₂CFH₂, OCFHCCl₂CFH₂, OCCl₂CF₂CH₃, OCH₂CF₂CClH₂, OCCl₂CFHCFH₂, OCH₂CCIFCFCl₂, OCH₂CH₂CF₂H, OCClHCClHCF₂H, OCH₂CCl₂CF₂H, OCCIFCH₂CH₃, OCFHCH₂CCl₂H, OCClHCFHCClH₂, OCH₂CFHCCl₂H, OCCl₂CH₂CF₂H, OCH₂CCl₂CF₂H, CH=CF₂, CF=CF₂, OCH=CF₂, OCF=CF₂, CH=CHF, OCH=CHF, or CF=CHF,

L is H or F, and

m is 0, 1 or 2.